

SGCN and Habitat Stressors

Level 1 Threat Agriculture and Aquaculture

Level 2 Threat: Livestock Farming and Ranching

Description: Domestic terrestrial animals raised in one location on farmed or non-local resources (farming); also domestic or semi-domesticated animals allowed to roam in the wild and supported by natural habitats (ranching)

Species Associated With This Stressor: **Total SGCN: 1: 3 2: 3 3:**

Class	<i>Actinopterygii</i> (Ray-finned Fishes)	SGCN Category
Species: <i>Salmo salar</i> (Atlantic Salmon)		1
Severity: Severe	Actionability: Actionable with difficulty	
Notes: Livestock Farming can impact riparian zone (clearing trees for grazing), which can lead to runoff (non point source) into the streams. Likelihood high and increasing. Spatial extent is Maine.		
Species: <i>Notropis bifrenatus</i> (Bridle Shiner)		2
Severity: Moderate Severity	Actionability: Moderately actionable	
Notes: Sedimentation and siltation from agriculture is a concern. BDS are known to be affected by poor water quality associated with sedimentation and siltation of habitats.		
Species: <i>Esox americanus americanus</i> (Redfin Pickerel)		2
Severity: Moderate Severity	Actionability: Moderately actionable	
Notes: RPK inhabit areas of clean and clear water quality. Sedimentation and siltation degrade water quality. Livestock grazing is known to affect one RPK site.		

Class	<i>Aves</i> (Birds)	SGCN Category
Species: <i>Sturnella magna</i> (Eastern Meadowlark)		2
Severity: Moderate Severity	Actionability: Highly actionable	
Notes: Timing of harvesting of hay/silage		
Species: <i>Cistothorus platensis</i> (Sedge Wren)		1
Severity: Moderate Severity	Actionability: Moderately actionable	
Notes: Conversion of sedge meadows to agricultural uses.		

Class	<i>Bivalvia</i> (Marine And Freshwater Molluscs)	SGCN Category
Species: <i>Alasmidonta varicosa</i> (Brook Floater)		1
Severity: Moderate Severity	Actionability: Moderately actionable	
Notes: In riparian zone where forest canopy is lost or degraded; in unfenced stream bed where water quality is directly impacted (e.g., bank erosion, sedimentation, manure in stream) or trampling by livestock occurs		

Habitats Associated With This Stressor:

Macrogroup Boreal Upland Forest

Habitat System Name: Acadian Low Elevation Spruce-Fir-Hardwood Forest

Notes: historically, this had a much greater impact on the landscape in S. Maine.

Habitat System Name: Acadian Sub-boreal Spruce Flat

Notes: historically, this had a much greater impact on the landscape in S. Maine.

Habitat System Name: Acadian-Appalachian Montane Spr-Fir-Hwd Forest

Notes: historically, this had a much greater impact on the landscape in S. Maine.

Habitat System Name: Boreal Jack Pine-Black Spruce Forest

Notes: historically, this had a much greater impact on the landscape in S. Maine.

Macrogroup Emergent Marsh

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Macrogroup Emergent Marsh

Habitat System Name: Laurentian-Acadian Freshwater Marsh

Notes: Some marshes lack buffers from adjacent farmlands

Macrogroup Intertidal Tidal Marsh (peat-forming)

Habitat System Name: Acadian Coastal Salt Marsh

Notes: New marsh ditching/ dyke construction is unlikely. However, impacts of historic ditching for agriculture is still having an impact to species.

Habitat System Name: Coastal Plain Tidal Marsh

Notes: New marsh ditching/ dyke construction is unlikely. However, impacts of historic ditching for agriculture is still having an impact to species.

Macrogroup Northeastern Floodplain Forest

Habitat System Name: Laurentian-Acadian Floodplain Systems

Notes: Many floodplains have been converted to ag, and many are poorly buffered by ag.

Macrogroup Northern Hardwood & Conifer

Habitat System Name: Appalachian (Hemlock)-Northern Hardwood Forest

Notes: Clearing for pastureland

Habitat System Name: Laurentian-Acadian Northern Hardwoods Forest

Notes: Clearing for pastureland

Habitat System Name: Laurentian-Acadian Pine-Hemlock-Hardwood Forest

Notes: Clearing for pastureland

Habitat System Name: Laurentian-Acadian Red Oak-Northern Hardwood Forest

Notes: Clearing for pastureland

Habitat System Name: Northeastern Coastal and Interior Pine-Oak Forest

Notes: Clearing for pastureland

Macrogroup Wet Meadow-Shrub Marsh

Habitat System Name: Introduced Wetland and Riparian Vegetation

Notes: Some marshes lack buffers from adjacent farmlands

Habitat System Name: Laurentian-Acadian Wet Meadow-Shrub Swamp

Notes: Some marshes lack buffers from adjacent farmlands

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The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.